基础

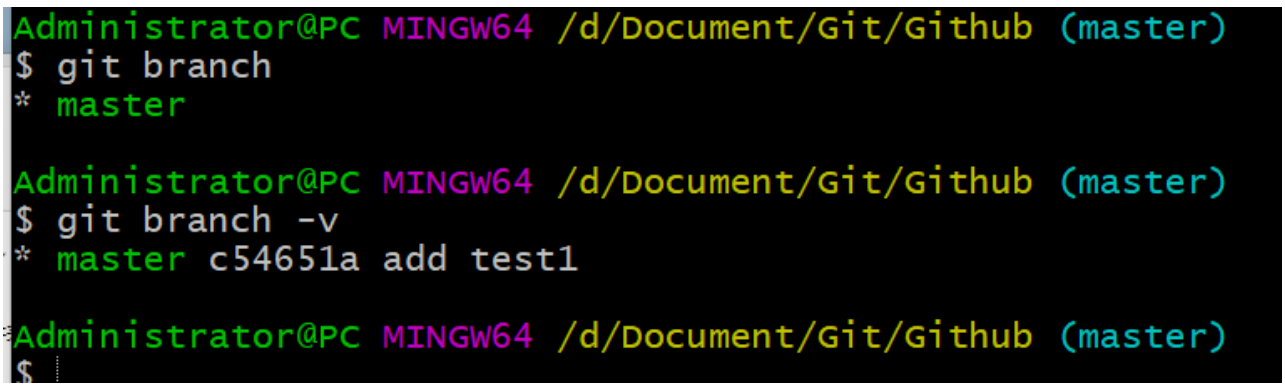
```
git branch    # 查看分支

```

查看分支

```
$ git branch
* master
-- 查看当前分支版本
$ git branch -v
* master c54651a add test1

```



创建分支

```
-- 创建分支
$ git branch helloworld
--查看创建分支版本
$ git branch -v
      helloworld c54651a add test1
    * master     c54651a add test1    # *代表当前分支
```

```
Administrator@PC MINGW64 /d/Document/Git/Github (master)
$ git branch helloworld

Administrator@PC MINGW64 /d/Document/Git/Github (master)
$ git branch
  helloworld
* master

Administrator@PC MINGW64 /d/Document/Git/Github (master)
$ git branch -v
  helloworld c54651a add test1
* master     c54651a add test1
```

切换分支

```
$ git checkout helloworld    # 切换到helloworld
    Switched to branch 'helloworld'
    M       test.txt
    M       test1.txt

$ git branch -v
    * helloworld c54651a add test1    # 当前分支
      master     c54651a add test1
```

分支修改

```
$ echo aaa >> test1.txt

Administrator@PC MINGW64 /d/Document/Git/Github (helloworld)
$ git add test1.txt
    warning: LF will be replaced by CRLF in test1.txt.
    The file will have its original line endings in your working directory

Administrator@PC MINGW64 /d/Document/Git/Github (helloworld)
```

```
$ git commit -m "分支内容修改" test1.txt
    warning: LF will be replaced by CRLF in test1.txt.
    The file will have its original line endings in your working directory
    [helloworld c0c0e91] 分支内容修改
     1 file changed, 1 insertion(+)

Administrator@PC MINGW64 /d/Document/Git/Github (helloworld)
    $ git checkout master
    Switched to branch 'master'
    M       test.txt

Administrator@PC MINGW64 /d/Document/Git/Github (master)
$ git branch -v
      helloworld c0c0e91 分支内容修改
    * master     c54651a add test1    # 主分支的版本号是不变的

```

分支合并

```
1、切换到主分支
$ git checkout master
    Switched to branch 'master'
2、将分支内容合并到主分支
$ git merge helloworld
    Auto-merging test1.txt
    CONFLICT (content): Merge conflict in test1.txt
    Automatic merge failed; fix conflicts and then commit the result.
3、处理修改文件不一致
4、提交
$ git add test1.txt
5、合并
$ git commit -m "修改成功合并"
    [master b4f8691] 修改成功合并
```

合并，git commit合并时不能带文件名